

EXHIBIT 16

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

TXu 1-237-896



EFFECTIVE DATE OF REGISTRATION

04 29 2005
Month Day Year

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE, USE THE RATE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼

Cisco IOS XR version 3.0

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS release 3.0; Cisco Internetwork Operating System XR version 3.0; Cisco Internetwork Operating System XR release 3.0; IOX version 3.0; IOX release 3.0; HFROS version 3.0; HFROS release 3.0; ENA version 3.0; ENA release 3.0;

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. **Title of Collective Work ▼**

If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

NAME OF AUTHOR ▼

a Cisco Systems, Inc.

Was this contribution to the work a "work made for hire"?

Yes

No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR { Citizen of ►

Domiciled in ► United States

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

If the answer to either of these questions is "Yes," see detailed instructions.

Anonymous? Yes No

Pseudonymous? Yes No

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

New and revised computer code and documentation.

NAME OF AUTHOR ▼

b See Attached Form TX/CON for Additional Authors

Was this contribution to the work a "work made for hire"?

Yes

No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR { Citizen of ►

Domiciled in ►

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

If the answer to either of these questions is "Yes," see detailed instructions.

Anonymous? Yes No

Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

c Was this contribution to the work a "work made for hire"?

Yes

No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR { Citizen of ►

Domiciled in ►

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

If the answer to either of these questions is "Yes," see detailed instructions.

Anonymous? Yes No

Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

3
a

YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED

This information must be given in all cases.
2004

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK

Complete this information ONLY if this work has been published.
Month ► Day ► Year ► Nation ►

4
See instructions before completing this space.

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

Cisco Technology, Inc.
170 West Tasman Drive
San Jose, CA 95134

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

By agreement

MORE ON BACK ▶ • Complete all applicable spaces (numbers 5-9) on the reverse side of this page.

• See detailed instructions.

• Sign the form at line 8.

RECEIVED APR 29 2005

ONE DEPOSIT RECEIVED

APR 29 2005

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

DO NOT WRITE HERE

Page 1 of 9 pages

EXAMINED BY *JL*

FORM TX

CHECKED BY

 CORRESPONDENCE YesFOR
COPYRIGHT
OFFICE
USE
ONLY**DO NOT WRITE ABOVE THIS LINE, IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.****PREVIOUS REGISTRATION** Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼

- a. This is the first published edition of a work previously registered in unpublished form.
- b. This is the first application submitted by this author as copyright claimant.
- c. This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ►

Year of Registration ►

5**a 6**See instructions
before completing
this space.**DERIVATIVE WORK OR COMPILED**

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Prior works by claimant and preexisting third party computer code.

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

New and revised computer code and documentation

b**DEPOSIT ACCOUNT** If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.
Name ▼

Account Number ▼

a 7

Cisco Technology, Inc.

DA92785

b**CORRESPONDENCE** Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Jason Schroth
 Cisco Technology, Inc.
 170 West Tasman Drive
 San Jose, CA 95134

Area code and daytime telephone number ► (408) 853-7972

Fax number ► (408) 853-7972

Email ► jschroth@cisco.com

b**CERTIFICATION*** I, the undersigned, hereby certify that I am the

Check only one ►

- author
 other copyright claimant
 owner of exclusive right(s)
 authorized agent of **Cisco Technology, Inc.**

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

a 7of the work identified in this application and that the statements made
by me in this application are correct to the best of my knowledge.**b**

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert Barr VP Intellectual Property

Date ► 04/25/2005

a 7

Handwritten signature (X)
X Robert Barr

bCertificate
will be
mailed in
window
envelope
to this
address:

Name ▼

Jason Schroth, Intellectual Property Department / Cisco Technology, Inc.

Number/Street/Apt ▼

170 West Tasman Drive

City/State/ZIP ▼

San Jose, CA 95134

*U.S.C. § 506(e): Complete all necessary spaces

• Sign your application in space 8

SEND ALL 3 ELEMENTS
IN THE SAME PACKAGE

1. Application form

2. Nonrefundable filing fee in check or money

order payable to Register of Copyrights

3. Deposit material

MAIL TO

Library of Congress
Copyright Office

101 Independence Avenue, S.E.

Washington, D.C. 20559-6000

Fees are subject to
change. For current
fees, check the
Copyright Office
website at
www.copyright.gov,
write the Copyright
Office, or call
(202) 707-3000.**a 7**

*17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

b**9**

CONTINUATION SHEET FOR APPLICATION FORMS

- This Continuation Sheet is used in conjunction with Forms CA, PA, SE, SR, TX, and VA, only. Indicate which basic form you are continuing in the space in the upper right-hand corner.
- If at all possible, try to fit the information called for into the spaces provided on the basic form.
- If you do not have enough space for all the information you need to give on the basic form, use this Continuation Sheet and submit it with the basic form.
- If you submit this Continuation Sheet, clip (do not tape or staple) it to the basic form and fold the two together before submitting them.
- Space A** of this sheet is intended to identify the basic application.
Space B is a continuation of Space 2 on the basic application.
Space C is not applicable to Short Forms.
Space C (on the reverse side of this sheet) is for the continuation of Spaces 1, 4, or 6 on the basic application or for the continuation of Space 1 on any of the three Short Forms PA, TX, or VA.

DO NOT WRITE ABOVE THIS LINE. FOR COPYRIGHT OFFICE USE ONLY

C Form TX /CON
UNITED STATES COPYRIGHT OFFICE

TXU 1-237-896



#TXU001237896#

PA	PAU	SE	SEG	SEU	SR	SRU	TX	TXU	VA	VAU
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EFFECTIVE DATE OF REGISTRATION

04 29 2005

(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

APR 29 2005

Page 3 of 4 pages

A
Identification
of
Application

IDENTIFICATION OF CONTINUATION SHEET: This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work:

- TITLE:** (Give the title as given under the heading "Title of this Work" in Space 1 of the basic form.)

Cisco IOS XR version 3.0

- NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):** (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA.)

Cisco Technology, Inc., 170 West Tasman Drive, San Jose, CA 95134

NAME OF AUTHOR ▼

d (See Space C)

B Was this contribution to the work a "work made for hire"?

- Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ► _____
Domiciled in ► _____

DATES OF BIRTH AND DEATH

Year Born▼ Year Died▼

WAS THIS AUTHOR'S CONTRIBUTION
TO THE WORK

Anonymous? Yes No
Pseudonymous? Yes No If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born▼ Year Died▼

e

Was this contribution to the work a "work made for hire"?

- Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION
TO THE WORK

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Pseudonymous? Yes No If the answer to either of these questions is "Yes," see detailed instructions.

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NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born▼ Year Died▼

f

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- Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ► _____
Domiciled in ► _____

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TO THE WORK

Anonymous? Yes No
Pseudonymous? Yes No If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

Use the reverse side of this sheet if you need more space for continuation of Spaces 1, 4, or 6 of the basic form or for the continuation of Space 1 on any of the Short Forms PA, TX, or VA.

CONTINUATION OF (Check which): Space 1 Space 4 Space 6 Space 2b

C

Name of Author	Work For Hire	Domicile	Anonymous	Pseudo- nymous	Nature of Contribution	Continuation of other Spaces
Cisco Technology, Inc.	Yes	United States	Yes	No	Computer Code & Documentation	
Adecco/Tad Tech*	Yes	United States	Yes	No	Computer Code	
Alliance of Professionals	Yes	United States	Yes	No	Computer Code	
Americas Global	Yes	United States	Yes	No	Computer Code	
APC, Inc.	Yes	United States	Yes	No	Computer Code	
Calian Technologies	Yes	Canada	Yes	No	Documentation	
Conoscenti	Yes	Canada	Yes	No	Computer Code	
Duet Technologies	Yes	United States	Yes	No	Computer Code	
Eclipse	Yes	United States	Yes	No	Computer Code	
Ensoft Ltd	Yes	United States	Yes	No	Computer Code	
Harrington Informatics	Yes	Canada	Yes	No	Computer Code	
HCL	Yes	India	Yes	No	Computer Code	
Insight Solutions, Inc.	Yes	United States	Yes	No	Computer Code	
Introttronix International	Yes	United States	Yes	No	Computer Code	
J. Arthur Group	Yes	United States	Yes	No	Documentation	
MetaData	Yes	Canada	Yes	No	Computer Code	
Migration Software	Yes	United States	Yes	No	Computer Code	
NSA**	Yes	United States	Yes	No	Documentation	
Oakhill Publications	Yes	United States	Yes	No	Documentation	
ODI-HCL	Yes	India	Yes	No	Computer Code	
Pipeline	Yes	United States	Yes	No	Computer Code	
Pure Solutions	Yes	United States	Yes	No	Computer Code	
Rnsoft Limited	Yes	United States	Yes	No	Computer Code	
Silver	Yes	United States	Yes	No	Computer Code	
SNMP Research	Yes	United States	Yes	No	Computer Code	
SoftSol Resources	Yes	United States	Yes	No	Computer Code	
TechOne	Yes	United States	Yes	No	Computer Code	

Certificate
will be
mailed in
window
envelope
to this
address:

Name ▼	Jason Schroth, Intellectual Property Department / Cisco Technology, Inc.	
Number/Streeet/Apt ▼		
170 West Tasman Drive		
City/State/ZIP ▼		
San Jose, CA 95134		

- YOU MUST
 • Complete all necessary spaces
 • Sign your application

SEND ALL ELEMENTS
IN THE SAME PACKAGE

1. Application form
2. Nonrefundable fee in check or money order payable to Register of Copyrights
3. Deposit Material

MAIL TO

Library of Congress, Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000

D

Fees are subject
to change.
For current fees,
check the Copyright
Office website at
www.copyright.gov,
write the Copyright
Office, or call
(202) 707-3880.